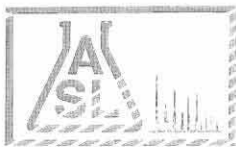


**APPENDIX 5.14**  
**Monitoring Well Soil Sample**  
**Analytical Data Package**



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

**Ordered By**

SCS Engineers  
8799 Balboa Ave. Suite # 290  
San Diego, CA 92123-

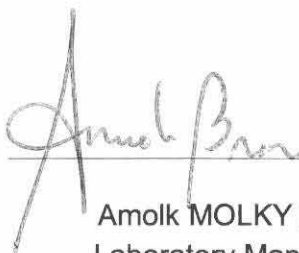
Number of Pages 18  
Date Received 09/14/2004  
Date Reported 09/22/2004

Telephone (858) 571-5500  
Attn T. McRae

Job Number	Ordered	Client
23193	09/14/2004	SCS

Project ID: 01203520.00  
Project Name: Mission Bay Landfill  
Site: Sea World Dr. / MB Park

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

  
Amolk MOLKY Brar  
Laboratory Manager

  
Rojert G. Araghi  
Laboratory Director

**RECEIVED**

SEP 27 2004

EBS  
SCS Engineers Co

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

COC# N<sup>o</sup> 27515 GLOBAL ID \_\_\_\_\_  
ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 23193

# CHAIN OF CUSTODY RECORD

Company: SCS ENGINEERS				Report To: Tessa McRoe		ANALYSIS REQUESTED	
Address: 8797 Balboa Ave. #290				Address: Same			
San Diego, CA 92123				Invoice To: Keith Etchells			
Telephone: 658-574-5500				Address: Same			
Fax: 5357							
Special Instruction: Extract				P.O.#:			
hexavalent Chromium immediately upon arrival to lab.				Project ID: 0703520.00			
Project Name: Mission Bay Landfill				Site Address: 500 World Dr./MB Park			
Project Manager: Tessa McRoe							
LAB USE ONLY		SAMPLE DESCRIPTION		Container(s)			
LAB ID	Sample ID	Date	Time	#	Type	Matrix	Preservation
136084	SCS3-5'	9/13/04	835	1	metal sieve	soil	none
136085	SCS3-10'		836	1			
136086	SCS3-20'		853	1			
136087	SCS3-25'		900	1			
136088	SCS3-30'		908	1			
136089	SCS1-5'		1127	1			
136090	SCS1-10'		1124	1			
136091	SCS1-20'		1147	1			
136092	SCS1-25'		1152	1			
136093	SCS1-30'		1156	1			

Received For Laboratory: Janet Chun  
 Date: 9-14-04  
 Time: 8:30

Relinquished By: [Signature]  
 Date: 9-13-04  
 Time:

Condition of Sample:

Relinquished By: KEITH ETHELLES  
 Date: 9/13/04  
 Time:

Relinquished By: [Signature]  
 Date: 9-14-04  
 Time: 8:30

Condition of Sample:

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 Date: 9-14-04  
 Time: 8:30

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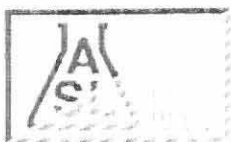
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 Date: 9-14-04  
 Time: 8:30



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 224-9500

## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

Page: 2

Project ID: 01203520.00

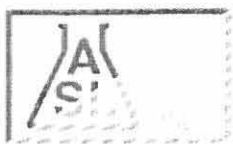
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

### Batch No:

Our Lab I.D.		136084	136085	136086	136087	136088
Sample ID		SCS3-5'	SCS3-10'	SCS3-20'	SCS3-25'	SCS3-30'
Date Sampled		09/13/2004	09/13/2004	09/13/2004	09/13/2004	09/13/2004
Date Extracted		09/15/2004	09/15/2004	09/15/2004	09/15/2004	09/15/2004
Preparation Method						
Date Analyzed		09/15/2004	09/15/2004	09/15/2004	09/15/2004	09/15/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
<b>AA Metals</b>						
Mercury	0.20	ND	ND	ND	ND	ND
<b>ICP Metals</b>						
Antimony	0.50	0.59	1.06	ND	ND	ND
Arsenic	0.25	0.40	0.88	ND	ND	3.47
Barium	0.50	127	112	15.3	48.6	119
Beryllium	0.50	ND	ND	ND	ND	ND
Cadmium	0.50	ND	0.52	ND	ND	ND
Chromium	0.50	20.4	33.6	8.59	6.49	21.1
Cobalt	0.50	10.1	11.1	1.30	3.37	10.5
Copper	0.50	21.2	36.5	2.02	11.4	15.6
Lead	0.25	14.0	34.8	5.10	2.18	2.34
Molybdenum	0.50	ND	0.96	ND	ND	1.88
Nickel	0.50	10.8	19.2	1.54	3.29	11.5
Selenium	0.50	ND	ND	ND	ND	ND
Silver	0.50	ND	ND	ND	ND	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	41.2	38.3	6.89	13.9	45.3
Zinc	0.50	59.8	101	6.72	14.8	42.1



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## ANALYTICAL RESULTS

Page: 3  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

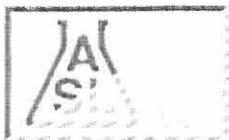
Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
<b>AA Metals</b>										
Mercury	106	80-120								
<b>ICP Metals</b>										
Antimony	95	80-120								
Arsenic	99	80-120								
Barium	86	80-120								
Beryllium	91	80-120								
Cadmium	100	80-120								
Chromium	88	80-120								
Cobalt	102	80-120								
Copper	88	80-120								
Lead	97	80-120								
Molybdenum	95	80-120								
Nickel	104	80-120								
Selenium	97	80-120								
Silver	90	80-120								
Thallium	91	80-120								
Vanadium	87	80-120								
Zinc	104	80-120								



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Environmental Testing Services

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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

Page: 4

Project ID: 01203520.00

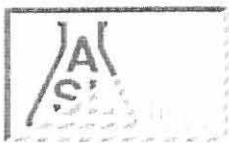
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLIC)

### Batch No:

Our Lab I.D.		136089	136090	136091	136092	136093
Sample ID		SCS1-5'	SCS1-10'	SCS1-20'	SCS1-25'	SCS1-30'
Date Sampled		09/13/2004	09/13/2004	09/13/2004	09/13/2004	09/13/2004
Date Extracted		09/15/2004	09/15/2004	09/15/2004	09/15/2004	09/15/2004
Preparation Method						
Date Analyzed		09/15/2004	09/15/2004	09/15/2004	09/15/2004	09/15/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
<b>AA Metals</b>						
Mercury	0.20	ND	ND	ND	ND	ND
<b>ICP Metals</b>						
Antimony	0.50	ND	ND	ND	ND	ND
Arsenic	0.25	3.86	8.20	ND	ND	3.92
Barium	0.50	35.7	118	26.7	116	151
Beryllium	0.50	ND	ND	ND	ND	ND
Cadmium	0.50	ND	ND	ND	ND	ND
Chromium	0.50	10.6	31.5	5.46	16.7	27.2
Cobalt	0.50	4.93	12.6	2.19	7.95	13.7
Copper	0.50	47.7	23.8	18.9	22.9	21.7
Lead	0.25	7.96	7.67	0.39	0.94	2.70
Molybdenum	0.50	ND	1.08	ND	ND	ND
Nickel	0.50	7.33	17.5	2.36	7.83	14.5
Selenium	0.50	ND	ND	ND	ND	ND
Silver	0.50	ND	ND	ND	ND	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	24.7	62.9	11.1	31.2	60.4
Zinc	0.50	193	64.0	13.6	35.2	55.1



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## ANALYTICAL RESULTS

Page: 5  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

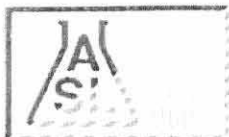
Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
<b>AA Metals</b>										
Mercury	106	80-120								
<b>ICP Metals</b>										
Antimony	95	80-120								
Arsenic	99	80-120								
Barium	86	80-120								
Beryllium	91	80-120								
Cadmium	100	80-120								
Chromium	88	80-120								
Cobalt	102	80-120								
Copper	88	80-120								
Lead	97	80-120								
Molybdenum	95	80-120								
Nickel	104	80-120								
Selenium	97	80-120								
Silver	90	80-120								
Thallium	91	80-120								
Vanadium	87	80-120								
Zinc	104	80-120								



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

Page: 6

Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Job Number

23193

### Order Date

09/14/2004

### Client

SCS

Method: 7199, Hexavalent Chromium by Ion Chromatography

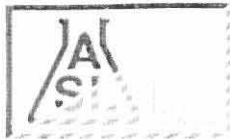
### Batch No:

Our Lab I.D.		136086	136091	136092		
Sample ID		SCS3-20'	SCS1-20'	SCS1-25'		
Date Sampled		09/13/2004	09/13/2004	09/13/2004		
Date Extracted		09/14/2004	09/14/2004	09/14/2004		
Preparation Method						
Date Analyzed		09/14/2004	09/14/2004	09/14/2004		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Detection Limit Multiplier		1	1	1		
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
<b>Conventionals</b>						
Chromium (VI)	0.100	0.65	0.20	0.22		

## QUALITY CONTROL REPORT

### Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
<b>Conventionals</b>									
Chromium (VI)	99	70-130							



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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

Page: 7

Project ID: 01203520.00

Project Name: Mission Bay Landfill

Job Number

23193

Order Date

09/14/2004

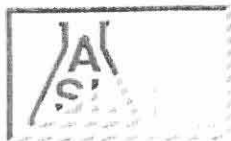
Client

SCS

Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136086	136087	136088	136089	136090
Sample ID		SCS3-20'	SCS3-25'	SCS3-30'	SCS1-5'	SCS1-10'
Date Sampled		09/13/2004	09/13/2004	09/13/2004	09/13/2004	09/13/2004
Date Extracted		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acenaphthene	330.0	ND	ND	ND	ND	ND
Acenaphthylene	330.0	ND	ND	ND	ND	ND
Anthracene	330.0	ND	ND	ND	ND	ND
Benz(a)anthracene (Benzo(a)anthracene)	330.0	ND	ND	ND	ND	ND
Benzo(a)pyrene	330.0	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzo(ghi)perylene	330.0	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzoic acid	1700.0	ND	ND	ND	ND	ND
Benzyl alcohol	660.0	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	330.0	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	330.0	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	330.0	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	330.0	ND	ND	ND	586	ND
4-Bromophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Butyl benzyl phthalate (Benzyl butyl phthalate)	330.0	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	660.0	ND	ND	ND	ND	ND
4-Chloroaniline	660.0	ND	ND	ND	ND	ND
2-Chloronaphthalene	330.0	ND	ND	ND	ND	ND
2-Chlorophenol (o-Chlorophenol)	330.0	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Chrysene	330.0	ND	ND	ND	ND	ND
Di-n-butyl phthalate	330.0	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	330.0	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330.0	ND	ND	ND	ND	ND
Dibenzofuran	330.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 8  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136086	136087	136088	136089	136090
Sample ID		SCS3-20'	SCS3-25'	SCS3-30'	SCS1-5'	SCS1-10'
Date Sampled		09/13/2004	09/13/2004	09/13/2004	09/13/2004	09/13/2004
Analytes	PQL	Results	Results	Results	Results	Results
1,3-Dichlorobenzene (m-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	330.0	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	660.0	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1700.0	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dimethylphenol	330.0	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1700	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	330.0	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	330.0	ND	ND	ND	ND	ND
Fluoranthene	330.0	ND	ND	ND	ND	ND
Fluorene	330.0	ND	ND	ND	ND	ND
Hexachlorobenzene	330.0	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	330.0	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	660.0	ND	ND	ND	ND	ND
Hexachloroethane	330.0	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	330.0	ND	ND	ND	ND	ND
Isophorone	330.0	ND	ND	ND	ND	ND
2-methyl-4,6-Dinitrophenol	1700.0	ND	ND	ND	ND	ND
2-Methylnaphthalene	330.0	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol, 2-Cresol)	330.0	ND	ND	ND	ND	ND
4-Methylphenol (p-Cresol, 4-Cresol)	330.0	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	330.0	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	330.0	ND	ND	ND	ND	ND
Naphthalene	330.0	ND	ND	ND	ND	ND
2-Nitroaniline	1700.0	ND	ND	ND	ND	ND
3-Nitroaniline	1700.0	ND	ND	ND	ND	ND
4-Nitroaniline	1700.0	ND	ND	ND	ND	ND
Nitrobenzene (NB)	330.0	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	330.0	ND	ND	ND	ND	ND
4-Nitrophenol	1700.0	ND	ND	ND	ND	ND
Pentachlorophenol	1700.0	ND	ND	ND	ND	ND
Phenanthrene	330.0	ND	ND	ND	ND	ND
Phenol	330.0	ND	ND	ND	ND	ND
Pyrene	330.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	330.0	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	330.0	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	330.0	ND	ND	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 Al San Fernando Rd. Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

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Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

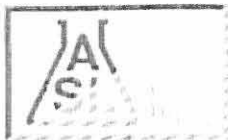
Method: 8270C, Semivolatile Organics

Our Lab I.D.		136086	136087	136088	136089	136090
Surrogates	Con. Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
2-Flourophanol	21-105	50	53	59	54	47
Phenol-d6	10-107	60	66	72	67	58
2,4,6-Tribromophenol	10-123	67	59	58	79	59
Nitrobenzene-d5	35-114	47	49	57	58	45
2-Fluorobiphenyl	18-116	60	63	67	74	52
Terphenyl-d14	33-141	70	64	69	78	73

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	81	76	6.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9800

## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

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Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Site

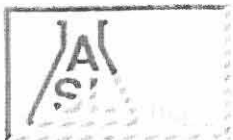
Sea World Dr. / MB Park

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136091	136092	136093		
Sample ID		SCS1-20'	SCS1-25'	SCS1-30'		
Date Sampled		09/13/2004	09/13/2004	09/13/2004		
Date Extracted		09/17/2004	09/17/2004	09/17/2004		
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Detection Limit Multiplier		1	1	1		
Analytes	PQL	Results	Results	Results		
Acenaphthene	330.0	ND	ND	ND		
Acenaphthylene	330.0	ND	ND	ND		
Anthracene	330.0	ND	ND	ND		
Benz(a)anthracene (Benzo(a)anthracene)	330.0	ND	ND	ND		
Benzo(a)pyrene	330.0	ND	ND	ND		
Benzo(b)fluoranthene	330.0	ND	ND	ND		
Benzo(ghi)perylene	330.0	ND	ND	ND		
Benzo(k)fluoranthene	330.0	ND	ND	ND		
Benzoic acid	1700.0	ND	ND	ND		
Benzyl alcohol	660.0	ND	ND	ND		
Bis(2-chloroethoxy)methane	330.0	ND	ND	ND		
Bis(2-chloroethyl)ether	330.0	ND	ND	ND		
Bis(2-chloroisopropyl) ether	330.0	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	330.0	ND	ND	ND		
4-Bromophenyl phenyl ether	330.0	ND	ND	ND		
Butyl benzyl phthalate (Benzyl butyl phthalate)	330.0	ND	ND	ND		
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	660.0	ND	ND	ND		
4-Chloroaniline	660.0	ND	ND	ND		
2-Chloronaphthalene	330.0	ND	ND	ND		
2-Chlorophenol (o-Chlorophenol)	330.0	ND	ND	ND		
4-Chlorophenyl phenyl ether	330.0	ND	ND	ND		
Chrysene	330.0	ND	ND	ND		
Di-n-butyl phthalate	330.0	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	330.0	ND	ND	ND		
Dibenz(a,h)anthracene	330.0	ND	ND	ND		
Dibenzofuran	330.0	ND	ND	ND		



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## ANALYTICAL RESULTS

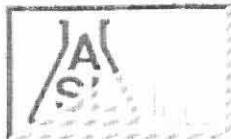
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 Project ID: 01203520.00  
 Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136091	136092	136093		
Sample ID		SCS1-20'	SCS1-25'	SCS1-30'		
Date Sampled		09/13/2004	09/13/2004	09/13/2004		
Analytes	PQL	Results	Results	Results		
1,3-Dichlorobenzene (m-Dichlorobenzene)	330.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	330.0	ND	ND	ND		
1,4-Dichlorobenzene	330.0	ND	ND	ND		
3,3'-Dichlorobenzidine	660.0	ND	ND	ND		
2,4-Dichlorophenol	1700.0	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	330.0	ND	ND	ND		
2,4-Dimethylphenol	330.0	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	330.0	ND	ND	ND		
2,4-Dinitrophenol	1700	ND	ND	ND		
2,4-Dinitrotoluene	330.0	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	330.0	ND	ND	ND		
Fluoranthene	330.0	ND	ND	ND		
Fluorene	330.0	ND	ND	ND		
Hexachlorobenzene	330.0	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	330.0	ND	ND	ND		
Hexachlorocyclopentadiene	660.0	ND	ND	ND		
Hexachloroethane	330.0	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	330.0	ND	ND	ND		
Isophorone	330.0	ND	ND	ND		
2-methyl-4,6-Dinitrophenol	1700.0	ND	ND	ND		
2-Methylnaphthalene	330.0	ND	ND	ND		
2-Methylphenol (o-Cresol, 2-Cresol)	330.0	ND	ND	ND		
4-Methylphenol (p-Cresol, 4-Cresol)	330.0	ND	ND	ND		
N-Nitroso-Di-n-propylamine	330.0	ND	ND	ND		
N-Nitrosodiphenylamine	330.0	ND	ND	ND		
Naphthalene	330.0	ND	ND	ND		
2-Nitroaniline	1700.0	ND	ND	ND		
3-Nitroaniline	1700.0	ND	ND	ND		
4-Nitroaniline	1700.0	ND	ND	ND		
Nitrobenzene (NB)	330.0	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	330.0	ND	ND	ND		
4-Nitrophenol	1700.0	ND	ND	ND		
Pentachlorophenol	1700.0	ND	ND	ND		
Phenanthrene	330.0	ND	ND	ND		
Phenol	330.0	ND	ND	ND		
Pyrene	330.0	ND	ND	ND		
1,2,4-Trichlorobenzene	330.0	ND	ND	ND		
2,4,5-Trichlorophenol	330.0	ND	ND	ND		
2,4,6-Trichlorophenol	330.0	ND	ND	ND		



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

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23193	09/14/2004	SCS

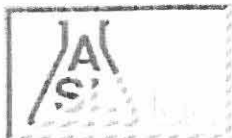
Method: 8270C, Semivolatile Organics

Our Lab I.D.		136091	136092	136093		
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
2-Flourophanol	21-105	48	43	45		
Phenol-d6	10-107	60	53	55		
2,4,6-Tribromophenol	10-123	47	40	50		
Nitrobenzene-d5	35-114	43	39	44		
2-Fluorobiphenyl	18-116	47	46	54		
Terphenyl-d14	33-141	70	67	73		

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	81	76	6.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



# AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90062 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858) 571-5500

Attn: T. McRae

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Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Site

Sea World Dr. / MB Park

Job Number

23193

Order Date

09/14/2004

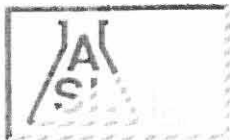
Client

SCS

### Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136085			
Sample ID		SCS3-10'			
Date Sampled		09/13/2004			
Date Extracted		09/17/2004			
Preparation Method					
Date Analyzed		09/17/2004			
Matrix		Soil			
Units		ug/kg			
Detection Limit Multiplier		10			
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>			
Acenaphthene	3300	ND			
Acenaphthylene	3300	ND			
Anthracene	3300	ND			
Benz(a)anthracene (Benzo(a)anthracene)	3300	ND			
Benzo(a)pyrene	3300	ND			
Benzo(b)fluoranthene	3300	ND			
Benzo(ghi)perylene	3300	ND			
Benzo(k)fluoranthene	3300	ND			
Benzoic acid	17000	ND			
Benzyl alcohol	6600	ND			
Bis(2-chloroethoxy)methane	3300	ND			
Bis(2-chloroethyl)ether	3300	ND			
Bis(2-chloroisopropyl) ether	3300	ND			
Bis(2-ethylhexyl) phthalate	3300	ND			
4-Bromophenyl phenyl ether	3300	ND			
Butyl benzyl phthalate (Benzyl butyl phthalate)	3300	ND			
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	6600	ND			
4-Chloroaniline	6600	ND			
2-Chloronaphthalene	3300	ND			
2-Chlorophenol (o-Chlorophenol)	3300	ND			
4-Chlorophenyl phenyl ether	3300	ND			
Chrysene	3300	ND			
Di-n-butyl phthalate	3300	ND			
Di-n-octyl phthalate (Diocetyl ester)	3300	ND			
Dibenz(a,h)anthracene	3300	ND			
Dibenzofuran	3300	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	3300	ND			



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

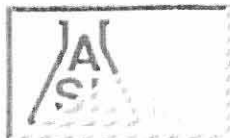
Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136085			
Sample ID		SCS3-10'			
Date Sampled		09/13/2004			
Analytes	PQL	Results			
1,2-Dichlorobenzene (o-Dichlorobenzene)	3300	ND			
1,4-Dichlorobenzene	3300	ND			
3,3'-Dichlorobenzidine	6600	ND			
2,4-Dichlorophenol	17000	ND			
Diethyl phthalate (Diethyl ester)	3300	ND			
2,4-Dimethylphenol	3300	ND			
Dimethyl phthalate (Dimethyl ester)	3300	ND			
2,4-Dinitrophenol	17000	ND			
2,4-Dinitrotoluene	3300	ND			
2,6-Dinitrotoluene (2,6-DNT)	3300	ND			
Fluoranthene	3300	ND			
Fluorene	3300	ND			
Hexachlorobenzene	3300	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3300	ND			
Hexachlorocyclopentadiene	6600	ND			
Hexachloroethane	3300	ND			
Indeno(1,2,3-cd)pyrene	3300	ND			
Isophorone	3300	ND			
2-methyl-4,6-Dinitrophenol	17000	ND			
2-Methylnaphthalene	3300	ND			
2-Methylphenol (o-Cresol, 2-Cresol)	3300	ND			
4-Methylphenol (p-Cresol, 4-Cresol)	3300	ND			
N-Nitroso-Di-n-propylamine	3300	ND			
N-Nitrosodiphenylamine	3300	ND			
Naphthalene	3300	ND			
2-Nitroaniline	17000	ND			
3-Nitroaniline	17000	ND			
4-Nitroaniline	17000	ND			
Nitrobenzene (NB)	3300	ND			
2-Nitrophenol (o-Nitrophenol)	3300	ND			
4-Nitrophenol	17000	ND			
Pentachlorophenol	17000	ND			
Phenanthrene	3300	ND			
Phenol	3300	ND			
Pyrene	3300	ND			
1,2,4-Trichlorobenzene	3300	ND			
2,4,5-Trichlorophenol	3300	ND			
2,4,6-Trichlorophenol	3300	ND			

### Comment(s):

136085: Higher PQL due to matrix.



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

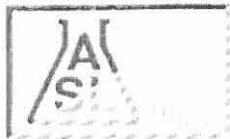
Method: 8270C, Semivolatile Organics

Our Lab I.D.	136085				
Surrogates	Con. Limit	% Rec.			
Surrogate Percent Recovery					
2-Fluorophenol	21-105	108			
Phenol-d6	10-107	113			
2,4,6-Tribromophenol	10-123	110			
Nitrobenzene-d5	35-114	110			
2-Fluorobiphenyl	18-116	127			
Terphenyl-d14	33-141	124			

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	81	76	6.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

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Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Site

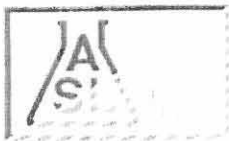
Sea World Dr. / MB Park

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136084				
Sample ID		SCS3-5'				
Date Sampled		09/13/2004				
Date Extracted		09/17/2004				
Preparation Method						
Date Analyzed		09/17/2004				
Matrix		Soil				
Units		ug/kg				
Detection Limit Multiplier		20				
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>				
Acenaphthene	6600	ND				
Acenaphthylene	6600	ND				
Anthracene	6600	ND				
Benz(a)anthracene (Benzo(a)anthracene)	6600	ND				
Benzo(a)pyrene	6600	ND				
Benzo(b)fluoranthene	6600	ND				
Benzo(ghi)perylene	6600	ND				
Benzo(k)fluoranthene	6600	ND				
Benzoic acid	34000	ND				
Benzyl alcohol	13200	ND				
Bis(2-chloroethoxy)methane	6600	ND				
Bis(2-chloroethyl)ether	6600	ND				
Bis(2-chloroisopropyl) ether	6600	ND				
Bis(2-ethylhexyl) phthalate	6600	ND				
4-Bromophenyl phenyl ether	6600	ND				
Butyl benzyl phthalate (Benzyl butyl phthalate)	6600	ND				
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	13200	ND				
4-Chloroaniline	13200	ND				
2-Chloronaphthalene	6600	ND				
2-Chlorophenol (o-Chlorophenol)	6600	ND				
4-Chlorophenyl phenyl ether	6600	ND				
Chrysene	6600	ND				
Di-n-butyl phthalate	6600	ND				
Di-n-octyl phthalate (Dioctyl ester)	6600	ND				
Dibenz(a,h)anthracene	6600	ND				
Dibenzofuran	6600	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	6600	ND				



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

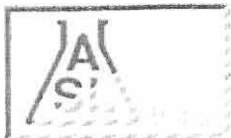
Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136084			
Sample ID		SCS3-5'			
Date Sampled		09/13/2004			
Analytes	PQL	Results			
1,2-Dichlorobenzene (o-Dichlorobenzene)	6600	ND			
1,4-Dichlorobenzene	6600	ND			
3,3'-Dichlorobenzidine	13200	ND			
2,4-Dichlorophenol	34000	ND			
Diethyl phthalate (Diethyl ester)	6600	ND			
2,4-Dimethylphenol	6600	ND			
Dimethyl phthalate (Dimethyl ester)	6600	ND			
2,4-Dinitrophenol	34000	ND			
2,4-Dinitrotoluene	6600	ND			
2,6-Dinitrotoluene (2,6-DNT)	6600	ND			
Fluoranthene	6600	ND			
Fluorene	6600	ND			
Hexachlorobenzene	6600	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	6600	ND			
Hexachlorocyclopentadiene	13200	ND			
Hexachloroethane	6600	ND			
Indeno(1,2,3-cd)pyrene	6600	ND			
Isophorone	6600	ND			
2-methyl-4,6-Dinitrophenol	34000	ND			
2-Methylnaphthalene	6600	ND			
2-Methylphenol (o-Cresol, 2-Cresol)	6600	ND			
4-Methylphenol (p-Cresol, 4-Cresol)	6600	ND			
N-Nitroso-Di-n-propylamine	6600	ND			
N-Nitrosodiphenylamine	6600	ND			
Naphthalene	6600	ND			
2-Nitroaniline	34000	ND			
3-Nitroaniline	34000	ND			
4-Nitroaniline	34000	ND			
Nitrobenzene (NB)	6600	ND			
2-Nitrophenol (o-Nitrophenol)	6600	ND			
4-Nitrophenol	34000	ND			
Pentachlorophenol	34000	ND			
Phenanthrene	6600	ND			
Phenol	6600	ND			
Pyrene	6600	ND			
1,2,4-Trichlorobenzene	6600	ND			
2,4,5-Trichlorophenol	6600	ND			
2,4,6-Trichlorophenol	6600	ND			

### Comment(s):

136084: Higher PQL due to matrix.



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

Page: 18  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23193	09/14/2004	SCS

Method: 8270C, Semivolatile Organics

Our Lab I.D.	136084				
Surrogates	Con. Limit	% Rec.			
Surrogate Percent Recovery					
2-Fluorophenol	21-105	97			
Phenol-d6	10-107	29			
2,4,6-Tribromophenol	10-123	92			
Nitrobenzene-d5	35-114	116			
2-Fluorobiphenyl	18-116	109			
Terphenyl-d14	33-141	93			

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	81	76	6.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



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*Environmental Testing Services*

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Ordered By

SCS Engineers  
8799 Balboa Ave. Suite # 290  
San Diego, CA 92123-

Number of Pages 17

Date Received 09/15/2004

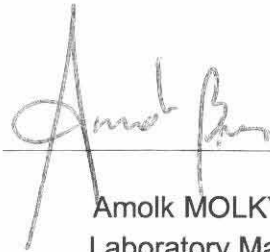
Date Reported 09/22/2004

Telephone (858) 571-5500  
Attn T. McRae

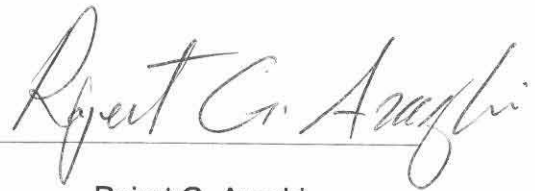
Job Number	Ordered	Client
23213	09/15/2004	SCS

Project ID: 01203520.00  
Project Name: Mission Bay Landfill  
Site: Sea World Dr. / MB Park

Enclosed are the results of analyses on 13 samples analyzed as specified on attached chain of custody.



Amolk MOLKY Brar  
Laboratory Manager



Rojert G. Araghi  
Laboratory Director

RECEIVED

SEP 27 2004

EBS  
SCS Engineers Co

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



C H A I N   O F   C U S T O D Y   R E C O R D

Wt-%	Need	Yellow	Laborn	Pink	Client
------	------	--------	--------	------	--------

COC#Nº 21855 GLOBAL ID

ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 23213

Company: SCS ENGINEERS

Address: 87091 BALBOA AVE. # 290

San Diego, CA 92123

Telephone: 850-571-5500  
Fax: " " 5357

Special Instruction: Extract Cut  
immediately upon arrival  
to lab, please

Project Name: Mississauga Landfill

Site Address: Seaworld Dr / MB Park

Project ID: 01723520.00

Project Manager: Tessa McRae.

Report To: Tessa Moore

Address: Same

Invoice To: Keith Ethells

Address: 520 Me

P.O.#:

ANALYSIS REQUESTED

LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	Remarks
I	T E M	Sample ID	Date	Time	#	Type				
11	136233	SC54-20'	9/14/04	1136	1	METAL SLEEVE	SOIL	NONE		
12	136234	SC54-25'	↓	1140	1	↓	↓	↓		
13	136235	SC54-30'	↓	1147	1	↓	↓	↓		

Collected By: KATH ECHOLS

Date 9/14/21 Time

Relinquished By:

Date	Time
------	------

TAT

Relinquished By:

Date \_\_\_\_\_

Time

Received  
For Laboratory

Date 9-15-04 Time

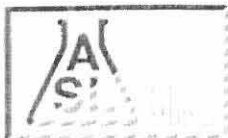
☒ Normal

Condition of Sample:

Janet Chen

Q. 270

☐ Rush



# AMERICAN SCIENTIFIC LABORATORIES, LLC

## Environmental Testing Services

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### ANALYTICAL RESULTS

#### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

Page: 2

Project ID: 01203520.00

Project Name: Mission Bay Landfill

#### Site

Sea World Dr. / MB Park

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

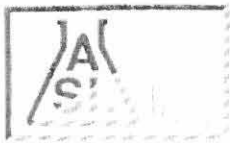
#### Batch No:

Our Lab I.D.		136223	136224	136225	136226	136227
Sample ID		SCS2-7'	SCS2-10'	SCS2-15'	SCS2-20'	SCS2-25'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Date Extracted		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
<b>AA Metals</b>						
Mercury	0.20	ND	ND	ND	ND	ND
<b>ICP Metals</b>						
Antimony	0.50	ND	ND	1.00	ND	ND
Arsenic	0.25	7.72	8.53	0.28	0.97	ND
Barium	0.50	88.1	92.3	3.04	125	45.2
Beryllium	0.50	ND	ND	ND	ND	ND
Cadmium	0.50	ND	ND	ND	ND	ND
Chromium	0.50	27.8	29.4	1.46	18.6	9.20
Cobalt	0.50	9.94	10.9	ND	8.33	3.82
Copper	0.50	24.8	22.9	ND	8.50	17.3
Lead	0.25	7.42	4.59	ND	0.39	ND
Molybdenum	0.50	1.68	1.60	ND	ND	ND
Nickel	0.50	9.45	9.74	ND	4.77	1.58
Selenium	0.50	ND	ND	ND	ND	ND
Silver	0.50	ND	ND	ND	ND	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	60.2	59.9	1.93	37.4	24.8
Zinc	0.50	50.6	56.6	1.89	30.6	15.4

### QUALITY CONTROL REPORT

#### Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
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# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

Page: 3  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

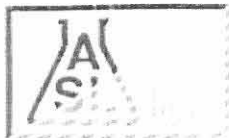
Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
<b>AA Metals</b>										
Mercury	110	80-120								
<b>ICP Metals</b>										
Antimony	95	80-120								
Arsenic	99	80-120								
Barium	95	80-120								
Beryllium	99	80-120								
Cadmium	98	80-120								
Chromium	97	80-120								
Cobalt	100	80-120								
Copper	97	80-120								
Lead	94	80-120								
Molybdenum	95	80-120								
Nickel	101	80-120								
Selenium	98	80-120								
Silver	97	80-120								
Thallium	93	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

Page: 4

Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Site

Sea World Dr. / MB Park

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

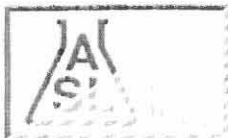
### Batch No:

Our Lab I.D.		136228	136229	136230	136231	136232
Sample ID		SCS2-30'	SCS2-35'	SCS4-5'	SCS4-10'	SCS4-15'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Date Extracted		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
<b>AA Metals</b>						
Mercury	0.20	ND	ND	ND	ND	ND
<b>ICP Metals</b>						
Antimony	0.50	ND	ND	ND	ND	ND
Arsenic	0.25	ND	ND	7.65	4.51	5.13
Barium	0.50	50.6	23.3	143	140	112
Beryllium	0.50	ND	ND	ND	ND	ND
Cadmium	0.50	ND	ND	ND	ND	ND
Chromium	0.50	6.85	5.82	34.4	32.8	27.4
Cobalt	0.50	3.79	2.02	13.0	15.4	12.5
Copper	0.50	6.55	28.3	29.5	32.8	131
Lead	0.25	ND	ND	12.0	4.56	11.4
Molybdenum	0.50	ND	ND	1.52	ND	0.99
Nickel	0.50	1.29	0.67	10.9	12.0	10.3
Selenium	0.50	ND	ND	ND	ND	ND
Silver	0.50	ND	ND	ND	ND	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	17.0	18.2	76.6	85.8	60.2
Zinc	0.50	11.8	12.6	61.2	59.6	102

## QUALITY CONTROL REPORT

### Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
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Environmental Testing Services

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## ANALYTICAL RESULTS

Page: 5  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

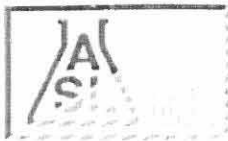
Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
<b>AA Metals</b>										
Mercury	110	80-120								
<b>ICP Metals</b>										
Antimony	95	80-120								
Arsenic	99	80-120								
Barium	95	80-120								
Beryllium	99	80-120								
Cadmium	98	80-120								
Chromium	97	80-120								
Cobalt	100	80-120								
Copper	97	80-120								
Lead	94	80-120								
Molybdenum	95	80-120								
Nickel	101	80-120								
Selenium	98	80-120								
Silver	97	80-120								
Thallium	93	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

Page: 6

Project ID: 01203520.00

Project Name: Mission Bay Landfill

### Site

Sea World Dr. / MB Park

Job Number

23213

Order Date

09/15/2004

Client

SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLIC)

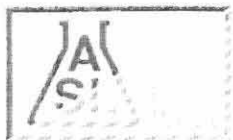
### Batch No:

Our Lab I.D.		136233	136234	136235		
Sample ID		SCS4-20'	SCS4-25'	SCS4-30'		
Date Sampled		09/14/2004	09/14/2004	09/14/2004		
Date Extracted		09/17/2004	09/17/2004	09/17/2004		
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Detection Limit Multiplier		1	1	1		
Analytes	PQL	Results	Results	Results		
<b>AA Metals</b>						
Mercury	0.20	ND	ND	ND		
<b>ICP Metals</b>						
Antimony	0.50	ND	ND	ND		
Arsenic	0.25	ND	ND	ND		
Barium	0.50	18.4	33.3	25.9		
Beryllium	0.50	ND	ND	ND		
Cadmium	0.50	11.0	ND	ND		
Chromium	0.50	4.00	5.22	4.32		
Cobalt	0.50	2.70	3.40	2.29		
Copper	0.50	38.6	124	16.9		
Lead	0.25	16.4	9.25	2.54		
Molybdenum	0.50	ND	ND	ND		
Nickel	0.50	1.67	1.87	1.06		
Selenium	0.50	ND	ND	ND		
Silver	0.50	ND	ND	ND		
Thallium	0.50	ND	ND	ND		
Vanadium	0.50	9.76	12.1	14.0		
Zinc	0.50	34.4	111	16.6		

## QUALITY CONTROL REPORT

### Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
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*Environmental Testing Services*

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## ANALYTICAL RESULTS

Page: 7  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

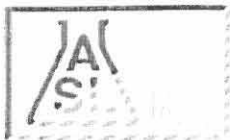
Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
<b>AA Metals</b>										
Mercury	110	80-120								
<b>ICP Metals</b>										
Antimony	95	80-120								
Arsenic	99	80-120								
Barium	95	80-120								
Beryllium	99	80-120								
Cadmium	98	80-120								
Chromium	97	80-120								
Cobalt	100	80-120								
Copper	97	80-120								
Lead	94	80-120								
Molybdenum	95	80-120								
Nickel	101	80-120								
Selenium	98	80-120								
Silver	97	80-120								
Thallium	93	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								



# AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

Page: 8

Project ID: 01203520.00

Project Name: Mission Bay Landfill

Job Number

23213

Order Date

09/15/2004

Client

SCS

Method: 7199, Hexavalent Chromium by Ion Chromatography

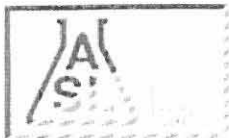
### Batch No:

Our Lab I.D.		136226	136233	136234		
Sample ID		SCS2-20'	SCS4-20'	SCS4-25'		
Date Sampled		09/14/2004	09/14/2004	09/14/2004		
Date Extracted		09/15/2004	09/15/2004	09/15/2004		
Preparation Method						
Date Analyzed		09/15/2004	09/15/2004	09/15/2004		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Detection Limit Multiplier		1	1	1		
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
<b>Conventionals</b>						
Chromium (VI)	0.100	ND	ND	ND		

## QUALITY CONTROL REPORT

### Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
<b>Conventionals</b>									
Chromium (VI)	98	70-130							



# AMERICAN SCIENTIFIC LABORATORIES, LLC

## Environmental Testing Services

2570 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9800

### ANALYTICAL RESULTS

#### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Telephone: (858)571-5500

Attn: T. McRae

Page: 9

Project ID: 01203520.00

Project Name: Mission Bay Landfill

#### Site

Sea World Dr. / MB Park

Job Number

23213

Order Date

09/15/2004

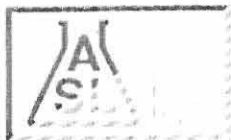
Client

SCS

Method: 8270C, Semivolatile Organics

#### Batch No:

Our Lab I.D.		136223	136224	136225	136226	136227
Sample ID		SCS2-7'	SCS2-10'	SCS2-15'	SCS2-20'	SCS2-25'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Date Extracted		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acenaphthene	330.0	ND	ND	ND	ND	ND
Acenaphthylene	330.0	ND	ND	ND	ND	ND
Anthracene	330.0	ND	ND	ND	ND	ND
Benz(a)anthracene (Benzo(a)anthracene)	330.0	ND	ND	ND	ND	ND
Benzo(a)pyrene	330.0	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzo(ghi)perylene	330.0	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzoic acid	1700.0	ND	ND	ND	ND	ND
Benzyl alcohol	660.0	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	330.0	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	330.0	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	330.0	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	330.0	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Butyl benzyl phthalate (Benzyl butyl phthalate)	330.0	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	660.0	ND	ND	ND	ND	ND
4-Chloroaniline	660.0	ND	ND	ND	ND	ND
2-Chloronaphthalene	330.0	ND	ND	ND	ND	ND
2-Chlorophenol (o-Chlorophenol)	330.0	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Chrysene	330.0	ND	ND	ND	ND	ND
Di-n-butyl phthalate	330.0	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	330.0	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330.0	ND	ND	ND	ND	ND
Dibenzofuran	330.0	ND	ND	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

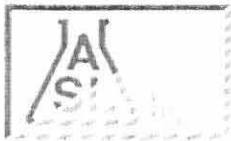
Page: 10  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136223	136224	136225	136226	136227
Sample ID		SCS2-7'	SCS2-10'	SCS2-15'	SCS2-20'	SCS2-25'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Analytes	PQL	Results	Results	Results	Results	Results
1,3-Dichlorobenzene (m-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	330.0	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	660.0	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1700.0	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dimethylphenol	330.0	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1700	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	330.0	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	330.0	ND	ND	ND	ND	ND
Fluoranthene	330.0	ND	ND	ND	ND	ND
Fluorene	330.0	ND	ND	ND	ND	ND
Hexachlorobenzene	330.0	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	330.0	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	660.0	ND	ND	ND	ND	ND
Hexachloroethane	330.0	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	330.0	ND	ND	ND	ND	ND
Isophorone	330.0	ND	ND	ND	ND	ND
2-methyl-4,6-Dinitrophenol	1700.0	ND	ND	ND	ND	ND
2-Methylnaphthalene	330.0	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol, 2-Cresol)	330.0	ND	ND	ND	ND	ND
4-Methylphenol (p-Cresol, 4-Cresol)	330.0	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	330.0	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	330.0	ND	ND	ND	ND	ND
Naphthalene	330.0	ND	ND	ND	ND	ND
2-Nitroaniline	1700.0	ND	ND	ND	ND	ND
3-Nitroaniline	1700.0	ND	ND	ND	ND	ND
4-Nitroaniline	1700.0	ND	ND	ND	ND	ND
Nitrobenzene (NB)	330.0	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	330.0	ND	ND	ND	ND	ND
4-Nitrophenol	1700.0	ND	ND	ND	ND	ND
Pentachlorophenol	1700.0	ND	ND	ND	ND	ND
Phenanthrene	330.0	ND	ND	ND	ND	ND
Phenol	330.0	ND	ND	ND	ND	ND
Pyrene	330.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	330.0	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	330.0	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	330.0	ND	ND	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

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Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

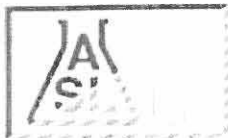
Method: 8270C, Semivolatile Organics

Our Lab I.D.		136223	136224	136225	136226	136227
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
2-Fluorophenol	21-105	49	55	43	56	48
Phenol-d6	10-107	57	63	53	70	57
2,4,6-Tribromophenol	10-123	62	64	47	57	51
Nitrobenzene-d5	35-114	51	59	42	54	47
2-Fluorobiphenyl	18-116	66	80	54	67	58
Terphenyl-d14	33-141	72	74	73	69	68

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	51	76	39.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



# AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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## ANALYTICAL RESULTS

### Ordered By

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

### Site

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

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Project ID: 01203520.00

Project Name: Mission Bay Landfill

Job Number

23213

Order Date

09/15/2004

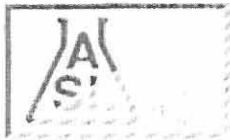
Client

SCS

Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136228	136229	136230	136231	136232
Sample ID		SCS2-30'	SCS2-35'	SCS4-5'	SCS4-10'	SCS4-15'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Date Extracted		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004	09/17/2004	09/17/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acenaphthene	330.0	ND	ND	ND	ND	ND
Acenaphthylene	330.0	ND	ND	ND	ND	ND
Anthracene	330.0	ND	ND	ND	ND	ND
Benz(a)anthracene (Benzo(a)anthracene)	330.0	ND	ND	ND	ND	ND
Benzo(a)pyrene	330.0	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzo(ghi)perylene	330.0	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	330.0	ND	ND	ND	ND	ND
Benzoic acid	1700.0	ND	ND	ND	ND	ND
Benzyl alcohol	660.0	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	330.0	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	330.0	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	330.0	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	330.0	ND	ND	ND	ND	1560
4-Bromophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Butyl benzyl phthalate (Benzyl butyl phthalate)	330.0	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	660.0	ND	ND	ND	ND	ND
4-Chloroaniline	660.0	ND	ND	ND	ND	ND
2-Chloronaphthalene	330.0	ND	ND	ND	ND	ND
2-Chlorophenol (o-Chlorophenol)	330.0	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	330.0	ND	ND	ND	ND	ND
Chrysene	330.0	ND	ND	ND	ND	ND
Di-n-butyl phthalate	330.0	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	330.0	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330.0	ND	ND	ND	ND	ND
Dibenzofuran	330.0	ND	ND	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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## ANALYTICAL RESULTS

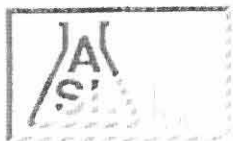
Page: 13  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136228	136229	136230	136231	136232
Sample ID		SCS2-30'	SCS2-35'	SCS4-5'	SCS4-10'	SCS4-15'
Date Sampled		09/14/2004	09/14/2004	09/14/2004	09/14/2004	09/14/2004
Analytes	PQL	Results	Results	Results	Results	Results
1,3-Dichlorobenzene (m-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	330.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	330.0	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	660.0	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1700.0	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dimethylphenol	330.0	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	330.0	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1700	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	330.0	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	330.0	ND	ND	ND	ND	ND
Fluoranthene	330.0	ND	ND	ND	ND	ND
Fluorene	330.0	ND	ND	ND	ND	ND
Hexachlorobenzene	330.0	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	330.0	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	660.0	ND	ND	ND	ND	ND
Hexachloroethane	330.0	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	330.0	ND	ND	ND	ND	ND
Isophorone	330.0	ND	ND	ND	ND	ND
2-methyl-4,6-Dinitrophenol	1700.0	ND	ND	ND	ND	ND
2-Methylnaphthalene	330.0	ND	ND	ND	ND	388
2-Methylphenol (o-Cresol, 2-Cresol)	330.0	ND	ND	ND	ND	ND
4-Methylphenol (p-Cresol, 4-Cresol)	330.0	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	330.0	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	330.0	ND	ND	ND	ND	ND
Naphthalene	330.0	ND	ND	ND	ND	476
2-Nitroaniline	1700.0	ND	ND	ND	ND	ND
3-Nitroaniline	1700.0	ND	ND	ND	ND	ND
4-Nitroaniline	1700.0	ND	ND	ND	ND	ND
Nitrobenzene (NB)	330.0	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	330.0	ND	ND	ND	ND	ND
4-Nitrophenol	1700.0	ND	ND	ND	ND	ND
Pentachlorophenol	1700.0	ND	ND	ND	ND	ND
Phenanthrene	330.0	ND	ND	ND	ND	ND
Phenol	330.0	ND	ND	ND	ND	ND
Pyrene	330.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	330.0	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	330.0	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	330.0	ND	ND	ND	ND	ND



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

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## ANALYTICAL RESULTS

Page: 14  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

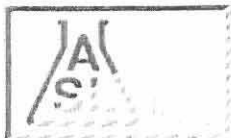
Method: 8270C, Semivolatile Organics

Our Lab I.D.		136228	136229	136230	136231	136232
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
<b>Surrogate Percent Recovery</b>						
2-Flouorophenol	21-105	47	48	66	55	72
Phenol-d6	10-107	47	12	79	21	27
2,4,6-Tribromophenol	10-123	54	56	73	62	87
Nitrobenzene-d5	35-114	48	49	73	57	67
2-Fluorobiphenyl	18-116	64	77	85	86	77
Terphenyl-d14	33-141	66	64	89	70	37

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	51	76	39.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					



# AMERICAN SCIENTIFIC LABORATORIES, LLC

*Environmental Testing Services*

2570 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

## ANALYTICAL RESULTS

### Ordered By

### Site

SCS Engineers  
8799 Balboa Ave.  
Suite # 290  
San Diego, CA 92123-

Sea World Dr. / MB Park

Telephone: (858)571-5500

Attn: T. McRae

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Project ID: 01203520.00

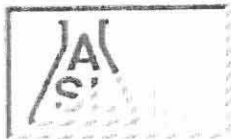
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 8270C, Semivolatile Organics

### Batch No:

Our Lab I.D.		136233	136234	136235		
Sample ID		SCS4-20'	SCS4-25'	SCS4-30'		
Date Sampled		09/14/2004	09/14/2004	09/14/2004		
Date Extracted		09/17/2004	09/17/2004	09/17/2004		
Preparation Method						
Date Analyzed		09/17/2004	09/17/2004	09/17/2004		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Detection Limit Multiplier		1	1	1		
Analytes	PQL	Results	Results	Results		
Acenaphthene	330.0	ND	ND	ND		
Acenaphthylene	330.0	ND	ND	ND		
Anthracene	330.0	ND	ND	ND		
Benz(a)anthracene (Benzo(a)anthracene)	330.0	ND	ND	ND		
Benzo(a)pyrene	330.0	ND	ND	ND		
Benzo(b)fluoranthene	330.0	ND	ND	ND		
Benzo(ghi)perylene	330.0	ND	ND	ND		
Benzo(k)fluoranthene	330.0	ND	ND	ND		
Benzoic acid	1700.0	ND	ND	ND		
Benzyl alcohol	660.0	ND	ND	ND		
Bis(2-chloroethoxy)methane	330.0	ND	ND	ND		
Bis(2-chloroethyl)ether	330.0	ND	ND	ND		
Bis(2-chloroisopropyl) ether	330.0	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	330.0	ND	ND	ND		
4-Bromophenyl phenyl ether	330.0	ND	ND	ND		
Butyl benzyl phthalate (Benzyl butyl phthalate)	330.0	ND	ND	ND		
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	660.0	ND	ND	ND		
4-Chloroaniline	660.0	ND	ND	ND		
2-Chloronaphthalene	330.0	ND	ND	ND		
2-Chlorophenol (o-Chlorophenol)	330.0	ND	ND	ND		
4-Chlorophenyl phenyl ether	330.0	ND	ND	ND		
Chrysene	330.0	ND	ND	ND		
Di-n-butyl phthalate	330.0	ND	ND	ND		
Di-n-octyl phthalate (Diocetyl ester)	330.0	ND	ND	ND		
Dibenz(a,h)anthracene	330.0	ND	ND	ND		
Dibenzofuran	330.0	ND	ND	ND		



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

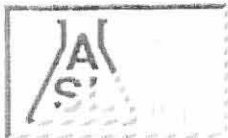
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Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 8270C, Semivolatile Organics

Batch No:

Our Lab I.D.		136233	136234	136235		
Sample ID		SCS4-20'	SCS4-25'	SCS4-30'		
Date Sampled		09/14/2004	09/14/2004	09/14/2004		
Analytes	PQL	Results	Results	Results		
1,3-Dichlorobenzene (m-Dichlorobenzene)	330.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	330.0	ND	ND	ND		
1,4-Dichlorobenzene	330.0	ND	ND	ND		
3,3'-Dichlorobenzidine	660.0	ND	ND	ND		
2,4-Dichlorophenol	1700.0	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	330.0	ND	ND	ND		
2,4-Dimethylphenol	330.0	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	330.0	ND	ND	ND		
2,4-Dinitrophenol	1700	ND	ND	ND		
2,4-Dinitrotoluene	330.0	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	330.0	ND	ND	ND		
Fluoranthene	330.0	ND	ND	ND		
Fluorene	330.0	ND	ND	ND		
Hexachlorobenzene	330.0	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	330.0	ND	ND	ND		
Hexachlorocyclopentadiene	660.0	ND	ND	ND		
Hexachloroethane	330.0	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	330.0	ND	ND	ND		
Isophorone	330.0	ND	ND	ND		
2-methyl-4,6-Dinitrophenol	1700.0	ND	ND	ND		
2-Methylnaphthalene	330.0	ND	ND	ND		
2-Methylphenol (o-Cresol, 2-Cresol)	330.0	ND	ND	ND		
4-Methylphenol (p-Cresol, 4-Cresol)	330.0	ND	ND	ND		
N-Nitroso-Di-n-propylamine	330.0	ND	ND	ND		
N-Nitrosodiphenylamine	330.0	ND	ND	ND		
Naphthalene	330.0	ND	ND	ND		
2-Nitroaniline	1700.0	ND	ND	ND		
3-Nitroaniline	1700.0	ND	ND	ND		
4-Nitroaniline	1700.0	ND	ND	ND		
Nitrobenzene (NB)	330.0	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	330.0	ND	ND	ND		
4-Nitrophenol	1700.0	ND	ND	ND		
Pentachlorophenol	1700.0	ND	ND	ND		
Phenanthrene	330.0	ND	ND	ND		
Phenol	330.0	ND	ND	ND		
Pyrene	330.0	ND	ND	ND		
1,2,4-Trichlorobenzene	330.0	ND	ND	ND		
2,4,5-Trichlorophenol	330.0	ND	ND	ND		
2,4,6-Trichlorophenol	330.0	ND	ND	ND		



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*Environmental Testing Services*

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## ANALYTICAL RESULTS

Page: 17  
Project ID: 01203520.00  
Project Name: Mission Bay Landfill

Job Number	Order Date	Client
23213	09/15/2004	SCS

Method: 8270C, Semivolatile Organics

Our Lab I.D.		136233	136234	136235		
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
2-Fluorophenol	21-105	66	49	76		
Phenol-d6	10-107	29	10	11		
2,4,6-Tribromophenol	10-123	74	61	69		
Nitrobenzene-d5	35-114	63	48	78		
2-Fluorobiphenyl	18-116	64	58	86		
Terphenyl-d14	33-141	70	66	72		

## QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	52	49	5.9	46-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	63	62	1.6	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	44	42	4.7	27-123	<30					
1,4-Dichlorobenzene	39	37	5.3	36-105	<30					
2,4-Dinitrotoluene	59	58	1.7	24-120	<30					
N-Nitroso-Di-n-propylamine	51	76	39.4	41-116	<30					
4-Nitrophenol	77	78	1.3	10-133	<30					
Pentachlorophenol	57	61	6.8	9-118	<30					
Phenol	55	52	5.6	12-110	<30					
Pyrene	61	66	7.9	26-127	<30					
1,2,4-Trichlorobenzene	42	44	4.7	39-98	<30					